



-  Bus Network
-  Freeway Network
-  Rail Network
-  Sustainability and Livability
-  Arterial Network
-  Commercial Vehicle Movements
-  Intelligent Transportation Systems
-  Bike and Pedestrian Movements

Downtown Phoenix Core Connections and Operations Study

Transportation Review Committee
March 27, 2014



Project Overview

STUDY PURPOSE

- * Improve movement of people downtown
- * Identify alternative
- * Recommend changes to current traffic plans
- * Coordinate with other related study area projects

SCOPE OF WORK

- * Existing conditions
- * System Alternatives (non-event)
- * Assessment of system solutions (event)
- * Parking Strategies

PUBLIC OUTREACH

- 1 Committees
 - Planning Committee (key city staff)
 - Event Management Committee
- 2 Stakeholders (Focus Groups)
- 3 Public Open House
(November 2013 & February 25th & 27th, 2014)

SCHEDULE



Related Projects

CENTRAL PHOENIX TRANSPORTATION FRAMEWORK STUDY

SUNBURST EVENT MANAGEMENT PLAN

CAPITOL/I-10 WEST LIGHT RAIL EXTENSION

SOUTH CENTRAL AVENUE ALTERNATIVES ANALYSIS

GREENING LOWER GRAND AVENUE

FIRST STREET IMPROVEMENTS

ROOSEVELT STREET IMPROVEMENTS

CENTRAL STATION REDEVELOPMENT

ADAMS STREET REACTIVATION STUDY

DOWNTOWN REDEVELOPMENT PROJECTS

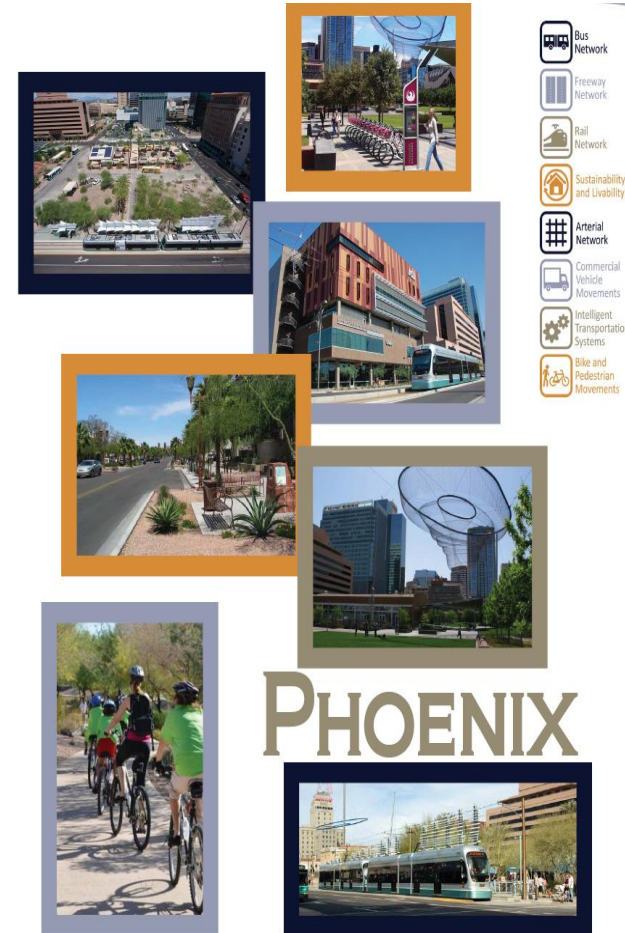
REINVENT PHOENIX

CONNECTED OASIS

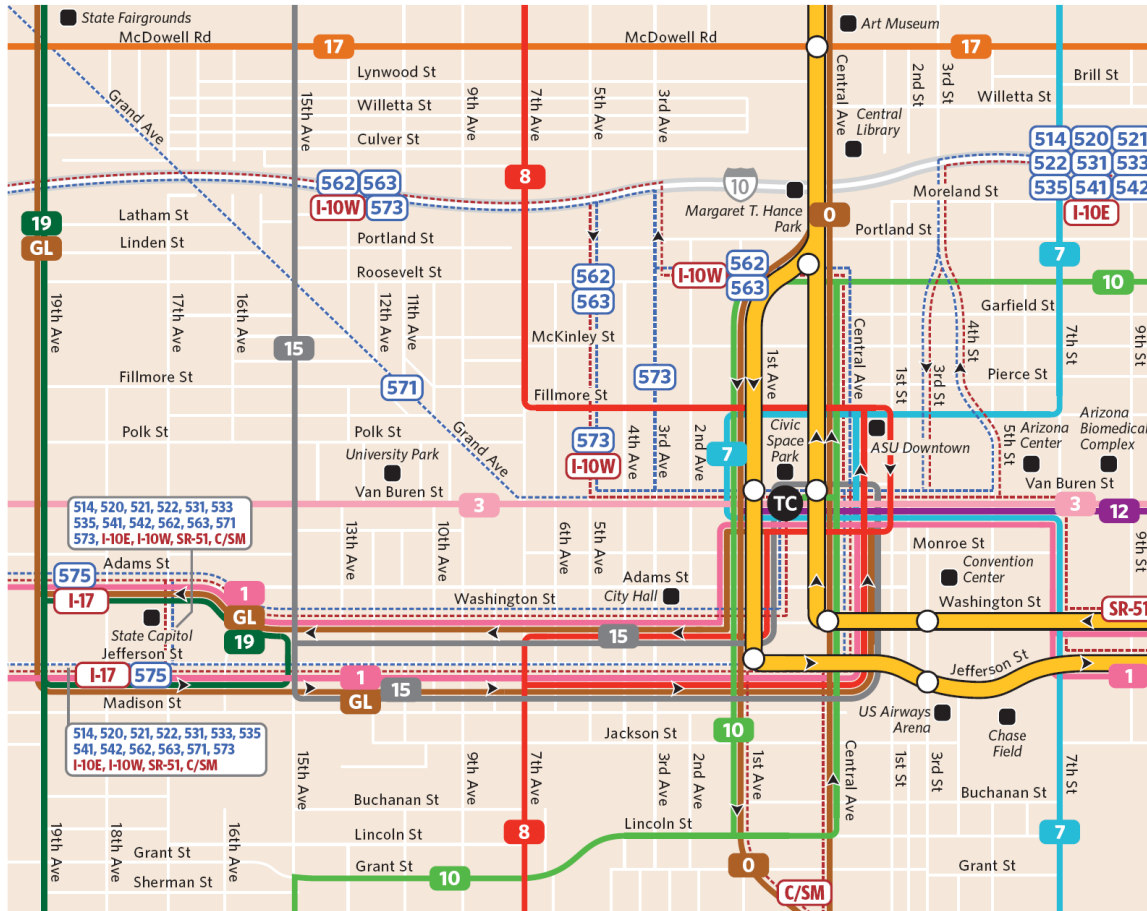
BIKE MASTER PLAN

DOWNTOWN
PHOENIX:
STRATEGIC VISION
AND BLUEPRINT

BIKE SHARE PROGRAM



Downtown Transit System



Light rail

Local buses

- 0 Central Ave
- 1 WashingtonSt/Jefferson St
- 3 Van Buren St
- 7 7th St
- 8 7th Ave
- 10 Roosevelt St/Grant St
- 12 12th St
- 15 15th Ave
- 17 McDowell Rd
- GL Grand Ave Limited

Express bus

- 511 Tempe/Scottsdale Airport
- 514 Scottsdale/Fountain Hills
- 520 Tempe
- 521 Tempe
- 522 Tempe
- 531 Mesa/Gilbert
- 533 Mesa
- 535 Northeast Mesa
- 541 Chandler
- 542 Chandler
- 562 Goodyear
- 563 Buckeye
- 571 Surprise
- 573 Northwest Valley
- 575 Northwest Valley

RAPID bus

- I-10E I-10 East RAPID
- I-10W I-10 West RAPID
- I-17 I-17 RAPID
- SR-51 SR-51 RAPID
- C/SM Central/South Mountain RAPID

TC Transit Center



Public Outreach

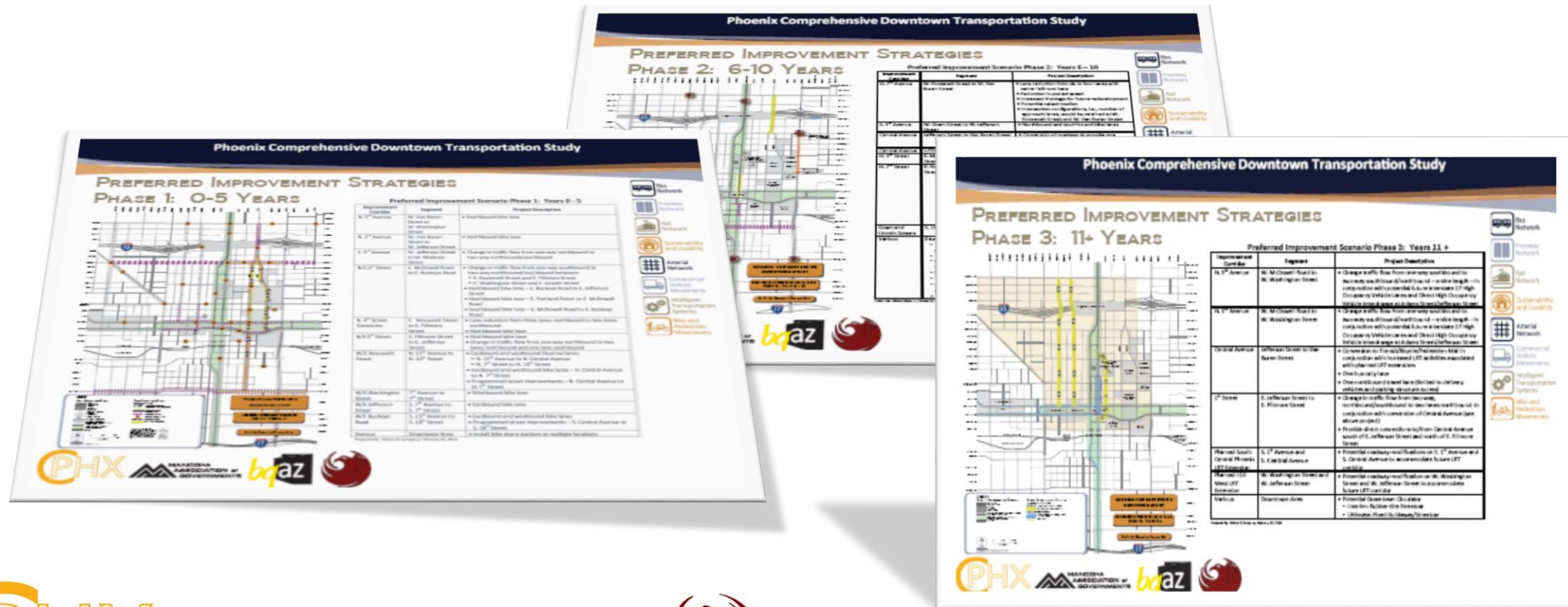
Three Tiered Approach

- Committees
 - Planning Committee (key city staff)
 - Events Management Committee
 - Central City Village Planning Committee
 - Downtown Phoenix Partnership
 - Downtown Phoenix Inc.
- Stakeholders (Focus Groups) held in September 2013
- Public Open Houses held in November 2013
- Project workshop included in the National Association of City Transportation Officials (NACTO) regional conference in Phoenix, AZ (October 2013)
- Additional outreach with Garfield, Roosevelt and Evans-Churchill neighborhoods
- Public Open Houses held on February 2014 to gather feedback on draft plan
- Further committee and stakeholder outreach



Draft Plan Recommendations

Strategies → Scenarios → Special Topics → Phased Improvements



Strategies

ONE-WAY VS. TWO-WAY STREETS



FUTURE OF CENTRAL AVENUE

PARKING STRATEGIES



Complete Streets



additional light
rail connectivity



roadway restriping for bike lanes or on-street parking



Note: Strategies based on Focus Group common themes.

DOWNTOWN CIRCULATOR



Gateways



Road Diet



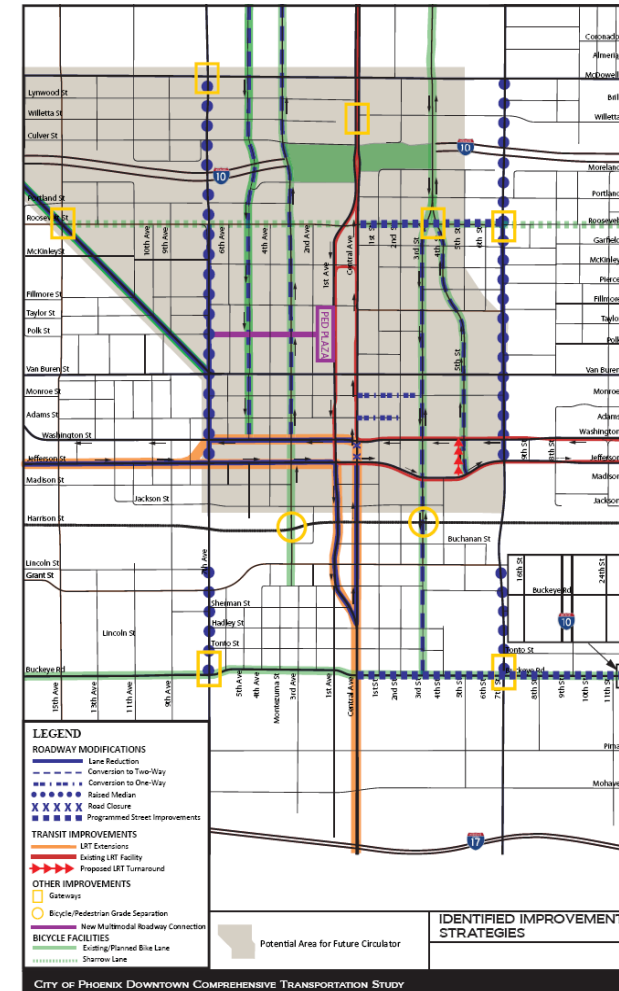
PEDESTRIAN GRADE
SEPARATIONS



Scenario Development

SCENARIO DESCRIPTIONS

Identified Improvement Strategies	Universe of Strategies	Scenario A Central Avenue Closure & 3 rd /5 th Conversions	Scenario B 7 th Avenue & 7 th Street Road Diet
Lane modifications on Central Avenue, 1 st Avenue, Washington Street, and Jefferson Street in preparation for future light rail.	★	★	★
5 th Street modifications to accommodate a future light rail turnaround	★	★	★
Two-way traffic on 5 th Avenue, 3 rd Avenue, 3 rd Street, and 5 th Street	★	★	
Landscaped median on 7 th Avenue and 7 th Street	★	★	★
Narrowing of 7 th Avenue and 7 th Street to four travel lanes between Jefferson Street and Roosevelt Street	★		★
Closure of Central Avenue to vehicular traffic between Washington Street and Jefferson Street	★	★	
Bicycle lanes on 5 th Avenue, 3 rd Avenue, 3 rd Street, 5 th Street, Roosevelt Street, and Buckeye Road	★	★	★
Programmed street improvements on Roosevelt Street and Buckeye Road	★	★	★
Lane reductions and bicycle lanes on Grand Avenue	★		
One-way traffic on Monroe Street and Adams Street between Central Avenue and 3 rd Street	★		
Extension of Polk Street between 7 th Avenue and 2 nd Avenue	★		
New Downtown Circulator	★		



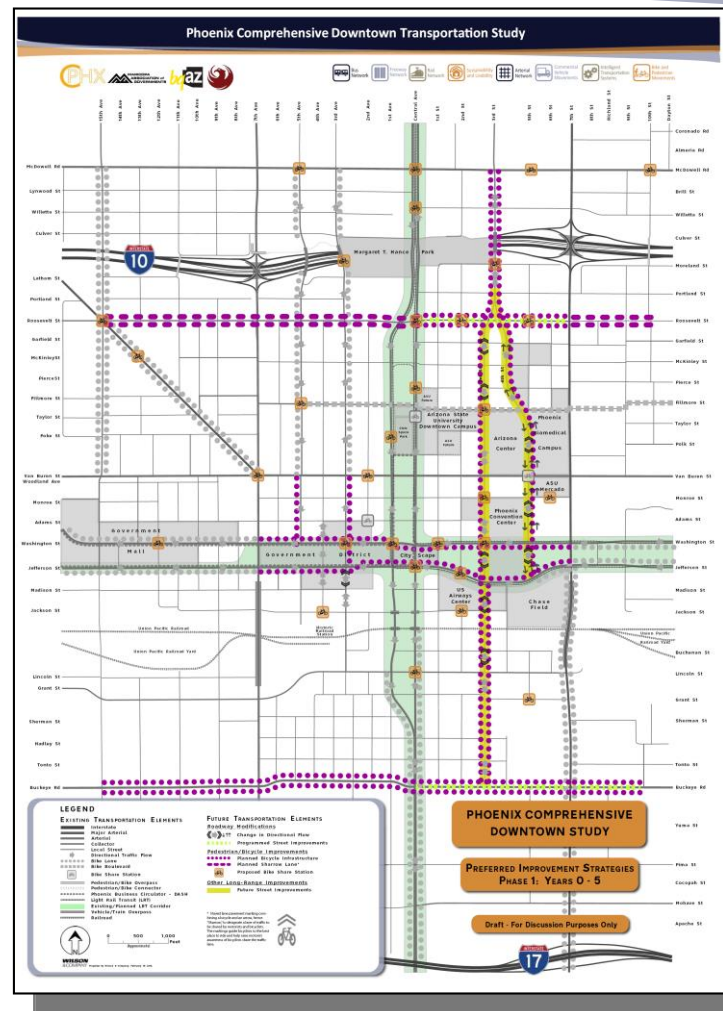
Analysis of Special Topics

- One-way vs. two-way streets
- Roadway restriping for bike lanes
- Future of Central Avenue
- Potential LRT turnaround on 5th Street
- Minor modifications to enhance event management plan (Sunburst Plan)
- Complete Streets
- Parking Strategies



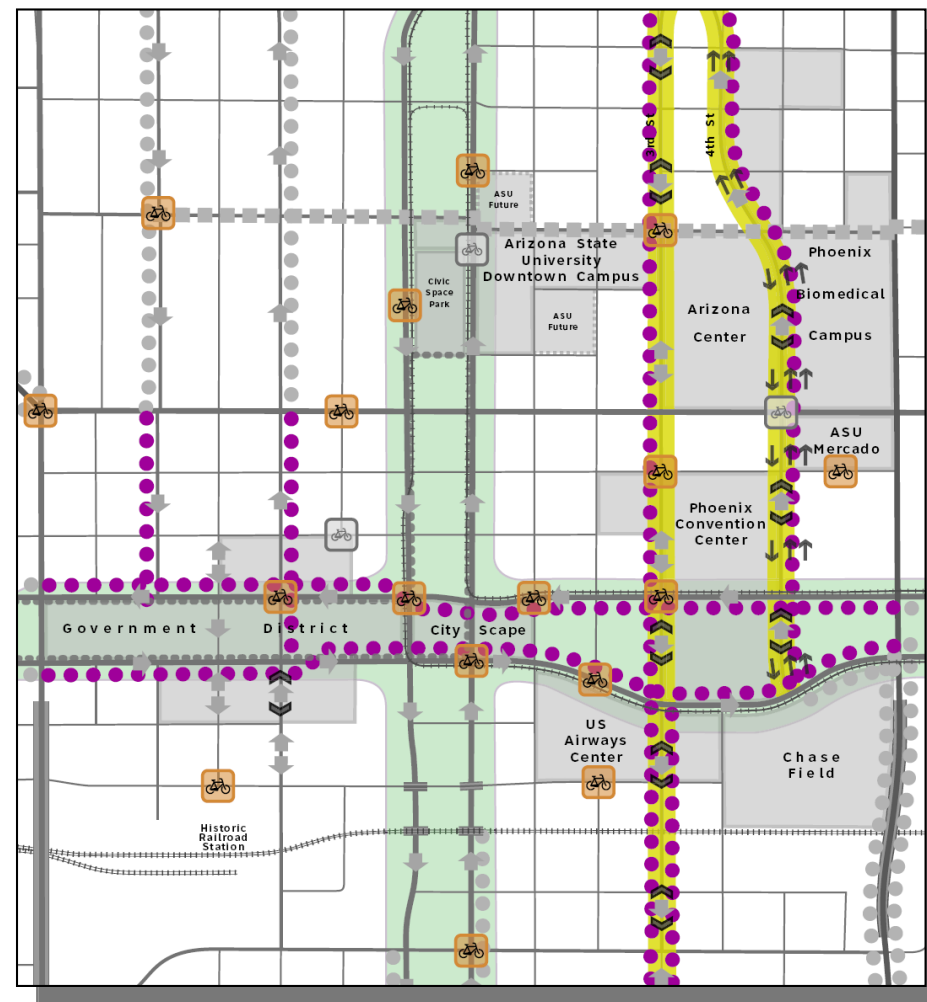
Phase 1 Recommendations (0-5 years)

- 3rd/5th Street
- Roosevelt Street
- Washington/Jefferson Streets
- Buckeye Road
- Bike Share



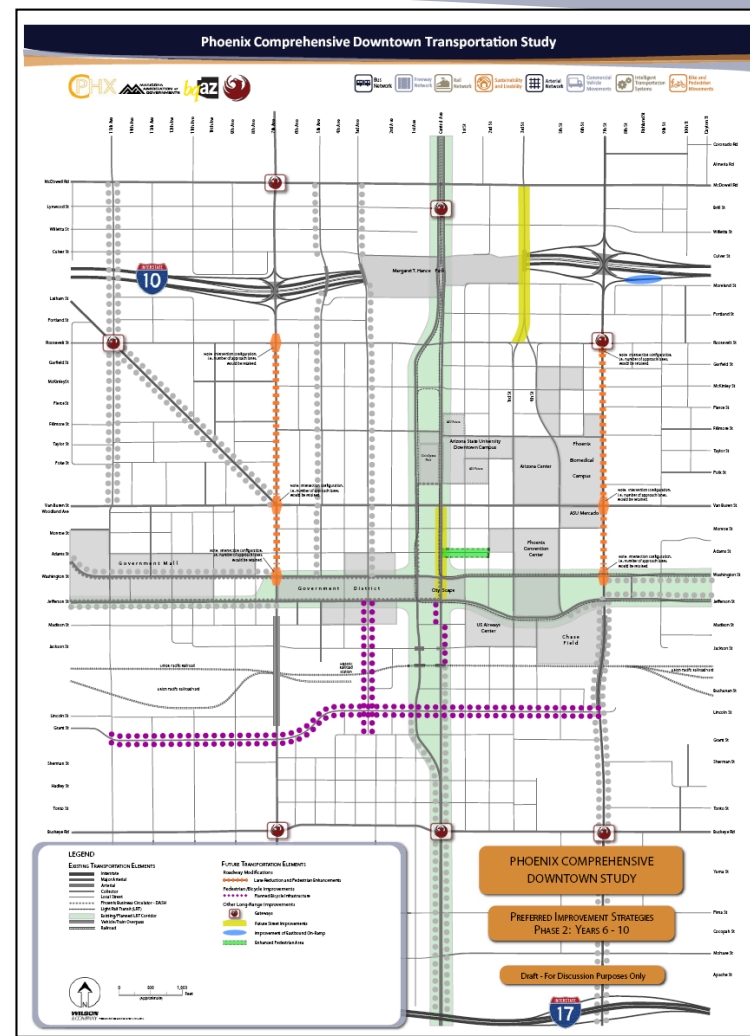
Phase 1 Recommendations (0-5 years)

- 3rd and 5th Streets changed to two-way streets with bike facilities.
- Bike facilities on Washington/ Jefferson Streets between 7th Avenue and 7th Street.
- 3rd and 5th Avenue bike facilities extensions.



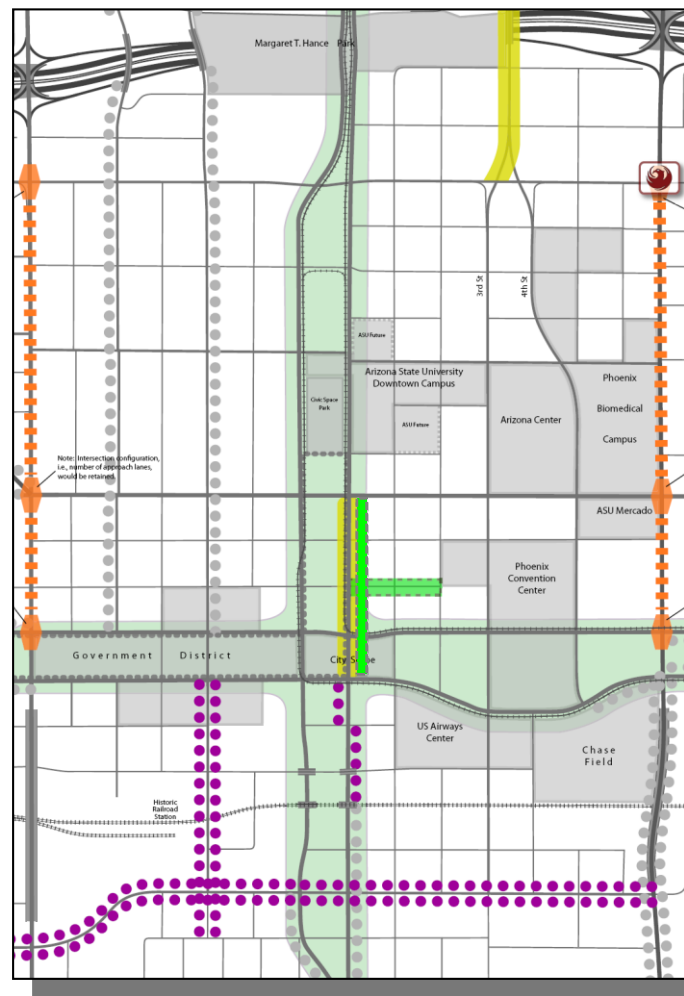
Phase 2 Recommendations (6-10 years)

- 7th Avenue
- 3rd Avenue
- Central Avenue
- 1st Street
- 3rd Street
- 7th Street
- Interstate 10 Eastbound on-ramp at 7th Street
- Grant/Lincoln Street
- Gateways



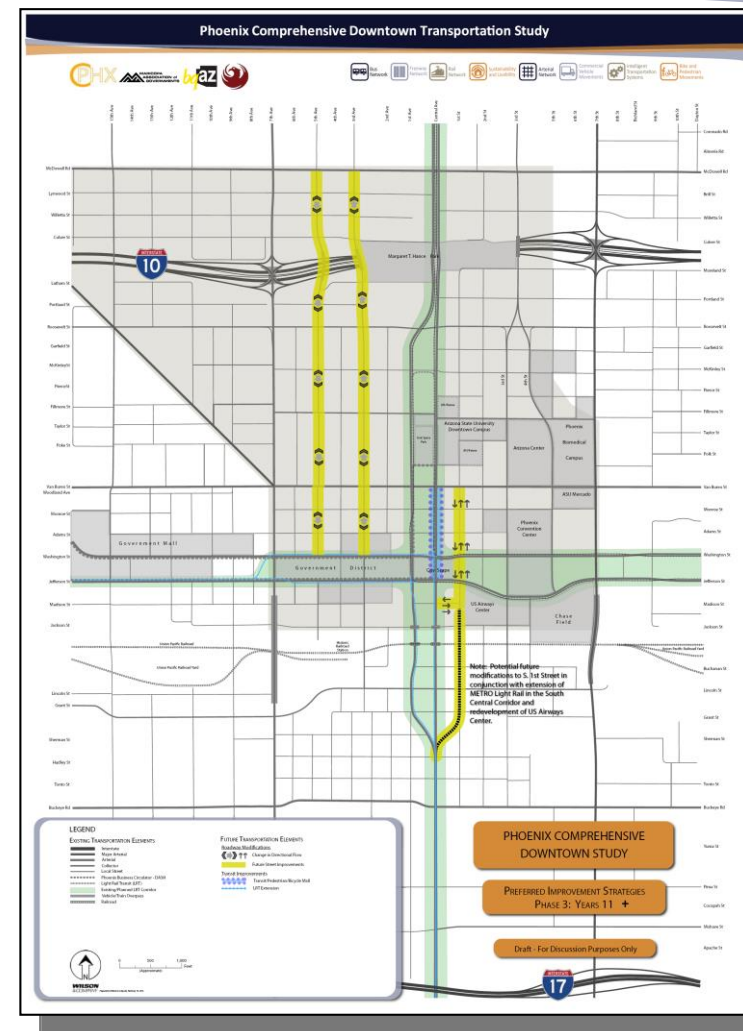
Phase 2 Recommendations (6-10 years)

- 7th Avenue and 7th Street modifications.
- Central Avenue conversion into transit/bicycle/pedestrian mall begins.
- Bike lanes on 3rd Avenue south of Jefferson Street to Grant/Lincoln Street.
- Downtown gateways.



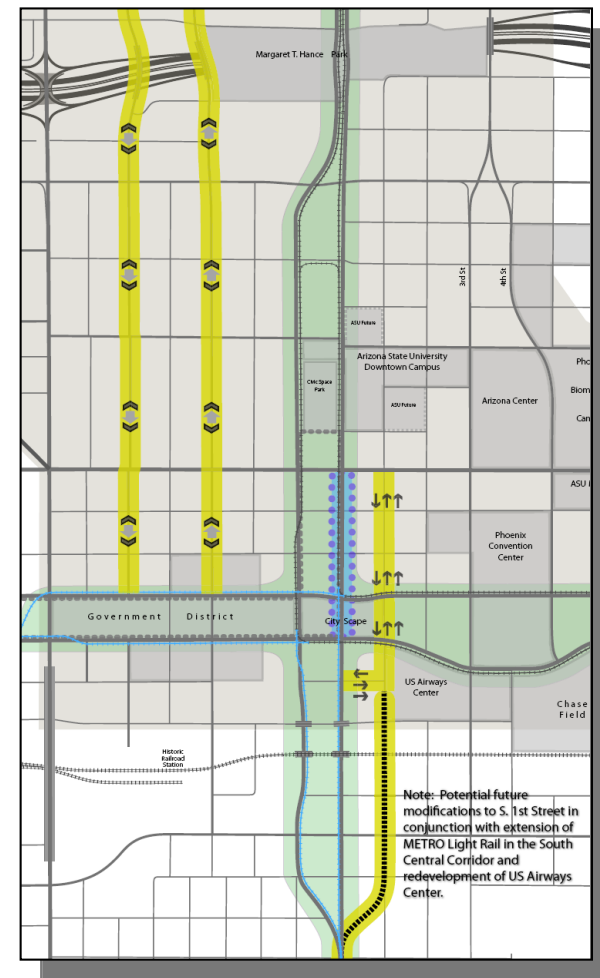
Phase 3 Recommendations (11+ years)

- 5th Avenue
- 3rd Avenue
- Central Avenue
- 1st Street



Phase 3 Recommendations (11+ years)

- 3rd and 5th Avenues changed to two-way streets. Regional bus traffic removed.
- Central Avenue becomes transit/bicycle/pedestrian mall from Jefferson Street to Van Buren Street.
- First Street emphasis expands with change to Central Avenue.
- Downtown circulator.



Commonalities in Public Feedback

- Protected bike lanes
- Move up the schedule for 3rd and 5th Avenue two-way conversion
- Keep some vehicular access on Central Avenue (Jefferson Street to Van Buren Street)
- Reduce vehicular speeds
- Extend the 7th Avenue and 7th Street modifications
- Eliminate the Sunburst Plan
- Historic rail station inclusion
- Polk Street Paseo



Study Completion Activities

- Committee and City staff feedback thus far indicates support of recommended improvements
- Modeling to identify event management plan enhancements (Sunburst Plan)
- ITS improvements
- Final stakeholder coordination
- City Council Transportation and Infrastructure Subcommittee
- Study Documentation



Questions?

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